

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Toshiro NAKAZURU et al.

Application No.: To be Assigned

Group Art Unit: To be Assigned

Filed: August 22, 2003

Examiner: To be Assigned

For: FOURIER TRANSFORM APPARATUS

**INFORMATION DISCLOSURE STATEMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with the duty of disclosure provisions of 37 CFR §1.56, there is hereby provided certain information which the Examiner may consider material to the examination of the subject U.S. patent application. It is requested that the Examiner make this information of record if it is deemed material to the examination of the subject application.

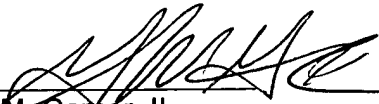
1. Enclosures accompanying this Information Disclosure Statement are:
  - 1a. ☒ Form PTO-1449.
  - 1b. ☒ Copies of IDS citations.
  - 1c. ☐ An English language copy of search report(s) from a counterpart foreign application or a PCT International Search Report.
  - 1d. ☒ English language translation (complete or relevant portion(s)) attached to each non-English language publication.
  - 1e. ☒ Explanations of Relevancy of References (ATTACHMENT 1(e), hereto) for providing a concise explanation of each non-English publication.
  - 1f. ☐ List of Copending Applications (ATTACHMENT 1(f), hereto).
  - 1g. ☒ List of Additional Submitted Documents (ATTACHMENT 1(g), hereto).
2. ☒ In accordance with 37 CFR §1.98, a concise explanation of what is presently understood to be the relevance of each non-English language publication is (Check appropriate Items 2a, 2b, 2c and/or 2d)
  - 2a. ☒ satisfied because all non-English language publications were cited on the enclosed "English-language version of the search report or action which indicates the degree of relevance found by the foreign office". (See MPEP 609, Minimum Requirements for an Information Disclosure Statement, Part A(3): Concise Explanation of Relevance, pp. 600-100 to 600-101, Rev. 1, Feb. 2000.)
  - 2b. ☐ set forth in the application.

- 2c. ☒ satisfied because an English language translation (complete or relevant portion(s)) is attached to each non-English language publication.
- 2d. ☒ enclosed as Attachment 1(e), hereto.
3. No admission is made that the information cited in this Statement is, or is considered to be, material to patentability nor a representation that a search has been made (other than search report(s) from a counterpart foreign application or a PCT International Search Report, if submitted herewith). 37 CFR §§1.97(g) and (h).

Respectfully submitted,

STAAS & HALSEY LLP

Dated: Aug 22, 2003  
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FORM PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY DOCKET NO. 1602.1027	APPLICATION NO. To be Assigned
<b>LIST OF REFERENCES CITED BY APPLICANT</b> <i>(Use several sheets if necessary)</i>		FIRST NAMED INVENTOR Toshiro NAKAZURU et al.	
		FILING DATE August 22, 2003	GROUP ART UNIT To be Assigned

### U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						

### FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO
	AG	63-36553	02/17/88	JAPAN			ABST
	AH	4-245562	09/02/92	JAPAN			ABST
	AI	59-87575	05/21/84	JAPAN			ABST
	AJ	09-034876	02/07/97	JAPAN			ABST
	AK	09-204406	08/05/97	JAPAN			ABST
	AL	06-019955	01/28/94	JAPAN			ABST
	AM	59-168578	09/22/84	JAPAN			ABST
	AN	04-245562	09/02/92	JAPAN			ABST

### OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

	AO	Nippon Hosokyo, Hosokyo Gijutsu Kenkyusko ed., "Digital Broadcasting Technology Dictionary in the Multimedia Era, First Edition (Masujen Co., Ltd.), 10 June 1994, pp. 300-301
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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

**ATTACHMENT 1(g)**

<b>LIST OF ADDITIONAL SUBMITTED DOCUMENTS</b>	ATTORNEY DOCKET NO.	APPLICATION NO.
	1602.1027	To be Assigned
	FIRST NAMED INVENTOR Toshiro NAKAZURU et al.	
	FILING DATE	GROUP ART UNIT
	August 22, 2003	To be Assigned

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application. Pursuant to 37 CFR 1.98(a)(2)(iii), a copy of any identified copending application(s) is provided.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

**This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.**

**U.S. PATENT DOCUMENTS**

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION YES NO	
	AC							
	AD							

**OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)**

			<b>TRANSLATION</b> YES NO	
	AE	International Search Report		XX
	AF	International Preliminary Examination	XX	
EXAMINER			DATE CONSIDERED	
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>				

ATTACHMENT 1(e)

<b>EXPLANATIONS OF RELEVANCY OF REFERENCES</b>	ATTORNEY DOCKET NO. 1602.1027	APPLICATION NO. To be Assigned
	FIRST NAMED INVENTOR Toshiro NAKAZURU et al.	
	FILING DATE August 22, 2003	GROUP ART UNIT To be Assigned

Inventor, Patent Number, Country, Author, Title, Name of Document	Issue date	Concise Explanation of the Relevance (indication of page, column, line, figure of the relevant portion)
Japanese Patent Laid-Open No.63-36553	Feb.17,1988	We enclose the brief English Translation thereof.
Japanese Patent Laid-Open No.4-245562	Sep.2,1992	We enclose the brief English Translation thereof.
Japanese Patent Laid-Open No.59-87575	May 21,1984	We enclose the brief English Translation thereof.